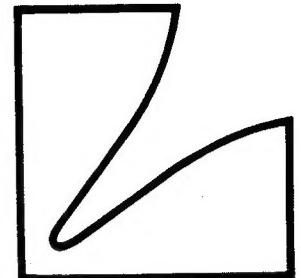
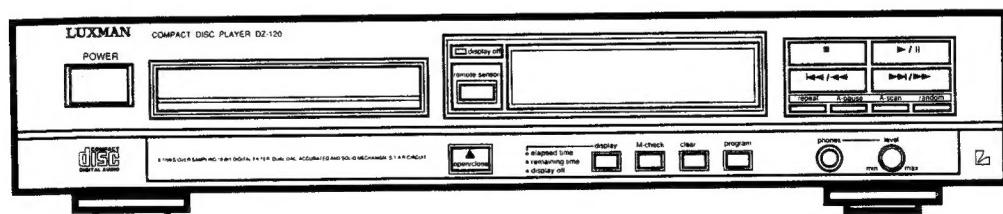


SERVICE MANUAL

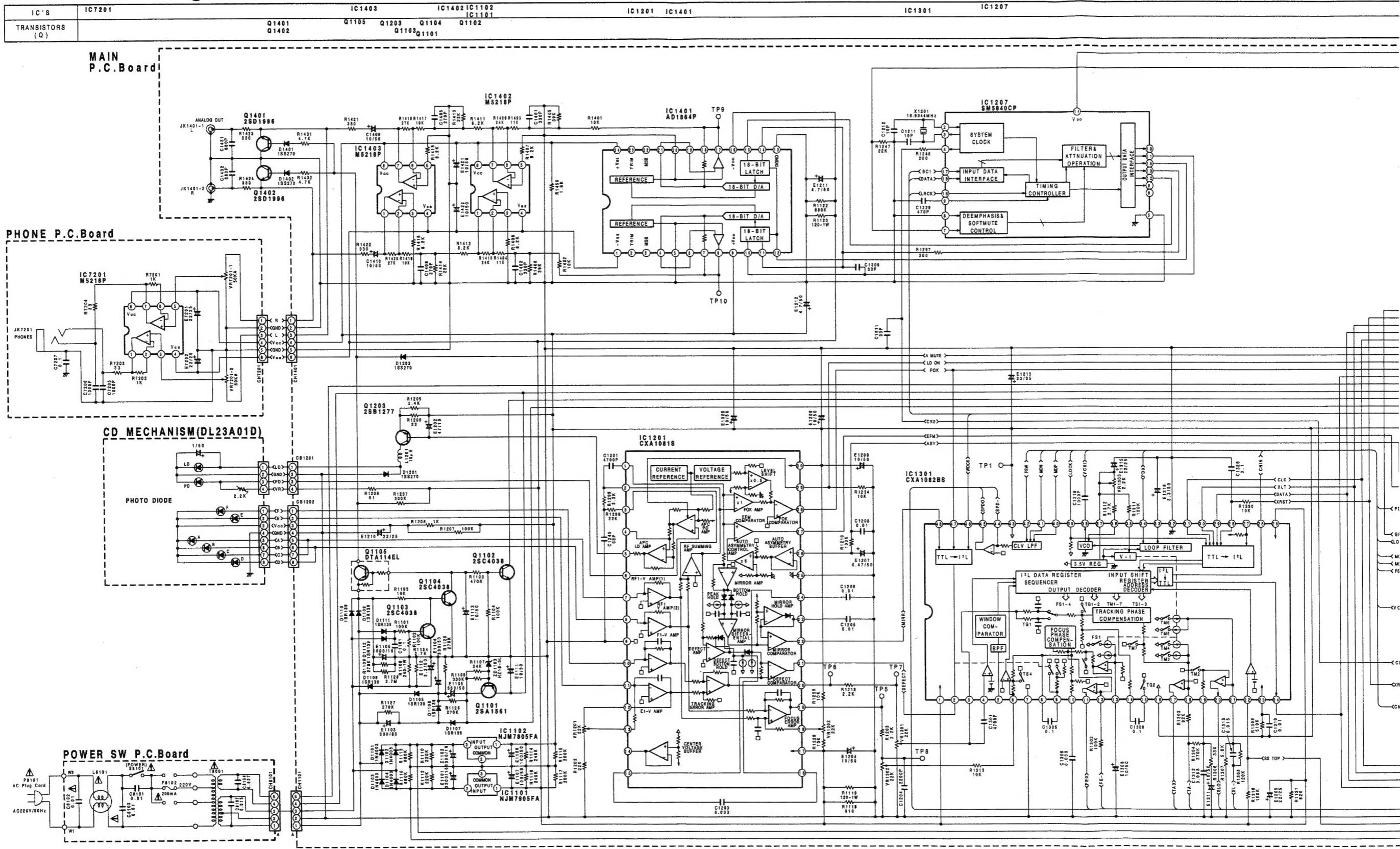


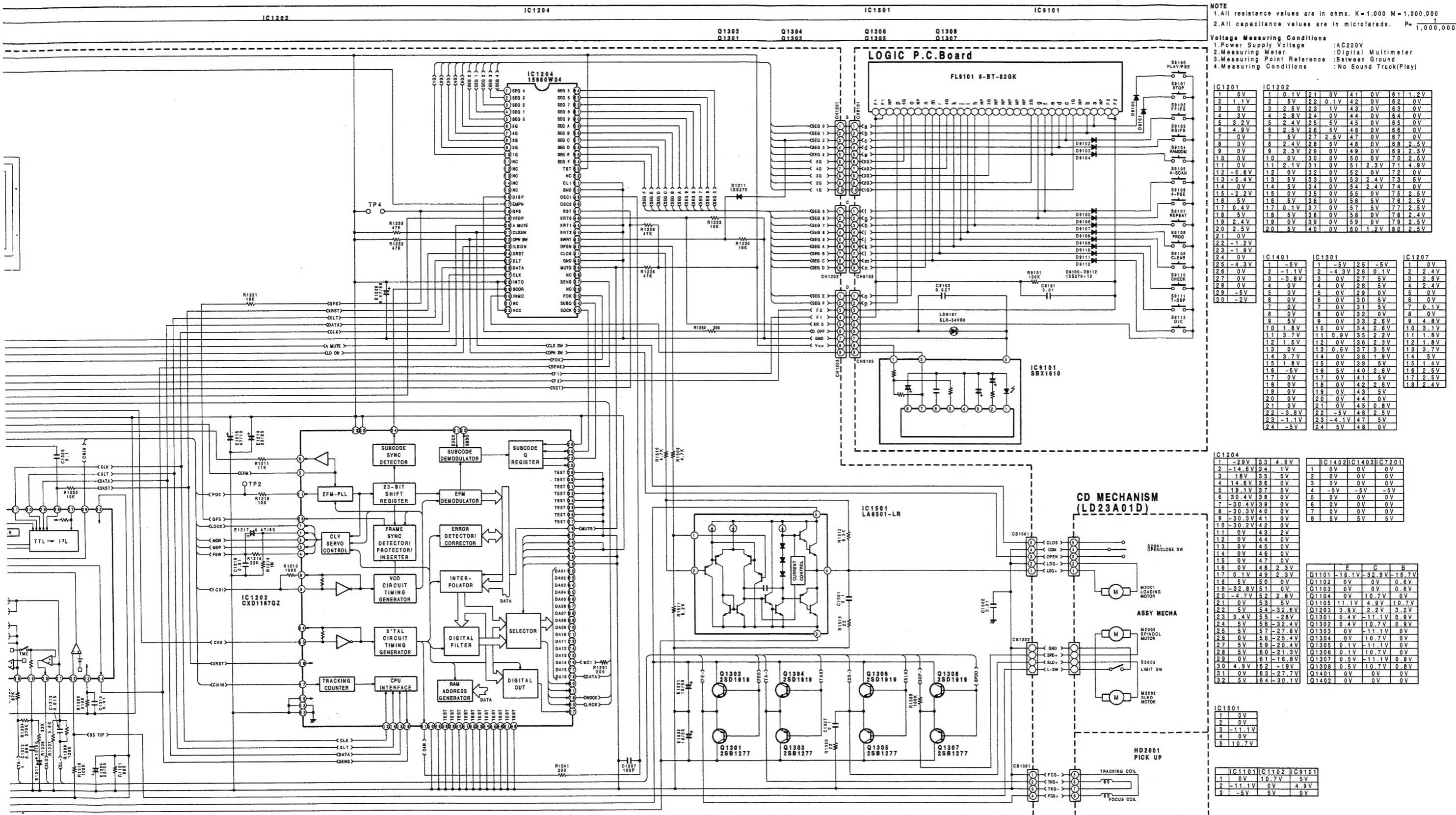
Compact Disc Player
DZ-120

Temporary



Schematic Diagram





Electrical Parts List

Resistor : Carbon resistors under 1/4 watts are not mentioned in the parts list, please confirm them by schematic diagram.

Capacitor : μF = microfarads, pF = picofarads

Abbreviations			Symbol No.	Part No.	Description
RES. = Resistor	CAP. = Capacitor		D1101	48S40477U01	1N4003
C.F. = Carbon Film	ELY. = Electrolytic		D1102	48S40477U01	1N4003
M.F. = Metal Film	CER. = Ceramic		D1103	48S40477U01	1N4003
M.O. = Metal Oxide Film	MYL. = Mylar		D1104	48S40477U01	1N4003
M.P. = Metal Plate	TAN. = Tantalum		D1105	48T16313W01	1SR139
TR. = Transistor	POLY. = Polystyrol		D1106	48T16313W01	1SR139
TRANS. = Transformer	PP. = Polypropylene		D1107	48T16313W01	1SR139
CP. = Chip	PLT. = Polyethylene		D1108	48T16313W01	1SR139
	PF. = Polyester Film		D1109	48T16313W01	1SR139
			D1110	48T16313W01	1SR139
Symbol No.	Part No.	Description	D1111	48T16313W01	1SR139
Main P. C. Board			D1112	48T16313W01	1SR139
IC's			D1201	48T84758F01	1SS270
IC1101	51T80339F01	NJM7905FA	D1203	48T84758F01	1SS270
IC1102	51T80338F01	NJM7805FA	D1211	48T84758F01	1SS270
IC1201	51T84721F01	CXA1081S	D1401	48T84758F01	1SS270
IC1202	51T25718W01	CXD1167QZ	D1402	48T84758F01	1SS270
IC1204	51T15980W04	15980W04	ZD1113	48T52741F54	Zener, HZ18-3L
IC1207	51T35105W01	SM5840CP			
IC1301	51T84722F02	CXA1082BS			
IC1401	51T35103W01	AD1864P			
IC1402	51T90149F01	M5218AP			
IC1403	51T90149F01	M5218AP			
IC1501	51T90889F01	LA6501			
Transistors					
Q1101	48T82757F01	2SA1561	Coil / Crystal		
Q1102	48T82758F01	2SC4038	L1201	24T70381F21	Inductor, $10\mu\text{H}$
Q1103	48T82758F01	2SC4038	X1201	91T84727F02	16.9344MHz
Q1104	48T82758F01	2SC4038			
Q1105	48T82762F02	DTA114EL			
Q1203	48T82759F01	2SB1277	Capacitors		
Q1301	48T82759F01	2SB1277	C1101	08T90316F29	$0.1\mu\text{F}$
Q1302	48T83275F01	2SD1919	E1101	23T00181L23	$3300\mu\text{F}/16V$
Q1303	48T82759F01	2SB127	E1102	23T00181L23	$3300\mu\text{F}/16V$
Q1304	48T83275F01	2SD1919	E1103	23T00181L49	$330\mu\text{F}/50V$
Q1305	48T82759F01	2SB127	E1104	23T00181L49	$330\mu\text{F}/50V$
Q1306	48T83275F01	2SD1919	E1105	23T00181L49	$330\mu\text{F}/50V$
Q1307	48T82759F01	2SB127	E1106	23T00181L21	$1000\mu\text{F}/16V$
Q1308	48T83275F01	2SD1919	E1107	23T00181L48	$100\mu\text{F}/50V$
Q1401	48T90183F01	2SD1996	E1108	23T00181L48	$100\mu\text{F}/50V$
Q1402	48T90183F01	2SD1996	E1111	23T00180L25	$10\mu\text{F}/50V$
			E1112	23T00180L23	$3.3\mu\text{F}/50V$
			E1113	23T00180L25	$10\mu\text{F}/50V$
			C1201	08T90316F13	4700pF
			E1202	23T00180L03	$47\mu\text{F}/10V$
			C1203	08T90316F23	$0.033\mu\text{F}$

Symbol No.	Part No.	Description	Symbol No.	Part No.	Description
C1204	08T90316F09	TF, 2200pF	C1502	08T52714F13	CER., 0.01μF
E1204	23T00180L25	ELY., 10μF / 50V	C1611	21S40655F17	CER., 33pF
C1205	08T90316F17	TF, 0.01μF			
E1205	23T00180L25	ELY., 10μF / 50V			
C1206	08T90316F17	TF, 0.01μF			
E1206	23T00180L25	ELY., 10μF / 50V			
C1207	21S40655F23	CER., 100pF			
E1207	23T00180L20	ELY., 0.47μF / 50V			
C1208	08T90316F17	TF, 0.01μF			
C1209	21S40655F17	CER., 33pF			
E1209	23T00181L44	ELY., 10μF / 50V			
E1210	23T00180L12	ELY., 22μF / 25V			
C1211	21S40655F11	CER., 10pF			
E1211	23T00180L24	ELY., 4.7μF / 50V			
C1212	21S40655F11	CER., 10pF			
E1212	23T00180L24	ELY., 4.7μF / 50V			
E1213	23T00180L25	ELY., 10μF / 50V			
E1214	23T00180L12	ELY., 22μF / 25V			
E1215	23T00180L03	ELY., 47μF / 10V			
E1220	23T00180L20	ELY., 0.47μF / 50V			
C1229	08T90316F01	TF, 4700pF			
C1240	08T74293F25	CER., 33pF			
C1301	08T90316F13	TF, 4700pF			
C1305	08T90316F29	TF, 0.1μF			
C1306	08T90316F23	TF, 0.033μF			
E1308	23T00180L24	ELY., 4.7μF / 50V			
C1309	08T90316F29	TF, 0.1μF			
C1310	08T90316F17	TF, 0.01μF			
E1311	23T00180L25	ELY., 10μF / 50V			
C1312	08T90316F27	TF, 0.068μF			
C1313	08T90316F19	TF, 0.015μF			
E1315	23T00180L12	ELY., 22μF / 25V			
E1316	23T00180L23	ELY., 3.3μF / 50V			
E1317	23T00180L20	ELY., 0.47μF / 50V			
C1318	08T90316F05	TF, 1000pF			
C1319	08T90316F17	TF, 0.01μF			
E1320	23T00180L25	ELY., 10μF / 50V			
C1326	08T57298F01	CER., 0.1μF			
C1327	08T57298F01	CER., 0.1μF			
E1331	23T00180L25	ELY., 10μF / 50V			
E1332	23T00180L25	ELY., 10μF / 50V			
C1401	08T93406F13	P.P., 330pF			
C1402	08T93406F13	P.P., 330pF			
C1405	08T93406F11	P.P., 270pF			
C1406	08T93406F11	P.P., 270pF			
E1409	23T00180L25	ELY., 10μF / 50V			
E1410	23T00180L25	ELY., 10μF / 50V			
E1421	23T00180L25	ELY., 10μF / 50V			
E1422	23T00180L25	ELY., 10μF / 50V			
C1431	08T90316F03	TF, 680pF			
C1432	08T90316F03	TF, 680pF			
C1501	08T57298F01	CER., 0.1μF			
Resistors					
VR1201	18T15356W15	Variable, 22K ohm			
VR1202	18T15356W15	Variable, 22K ohm			
VR1301	18T15356W15	Variable, 22K ohm			
VR1302	18T15356W15	Variable, 22K ohm			
VR1303	18T15356W09	Variable, 2.2K ohm			
Phone P. C. Board					
IC / Jack					
IC7201	51T90149F01	M5218AP			
JK7201	09T66672F05	Jack, Phones			
Capacitors					
C7205	08T90316F01	TF, 470pF			
C7206	08T90316F01	TF, 470pF			
C7207	08T52714F13	CER., 0.01μF			
E7201	23T00180L12	ELY., 22μF / 25V			
E7202	23T00180L12	ELY., 22μF / 25V			
Resistors					
VR7201	18T84123F01	Variable, 50K ohm			

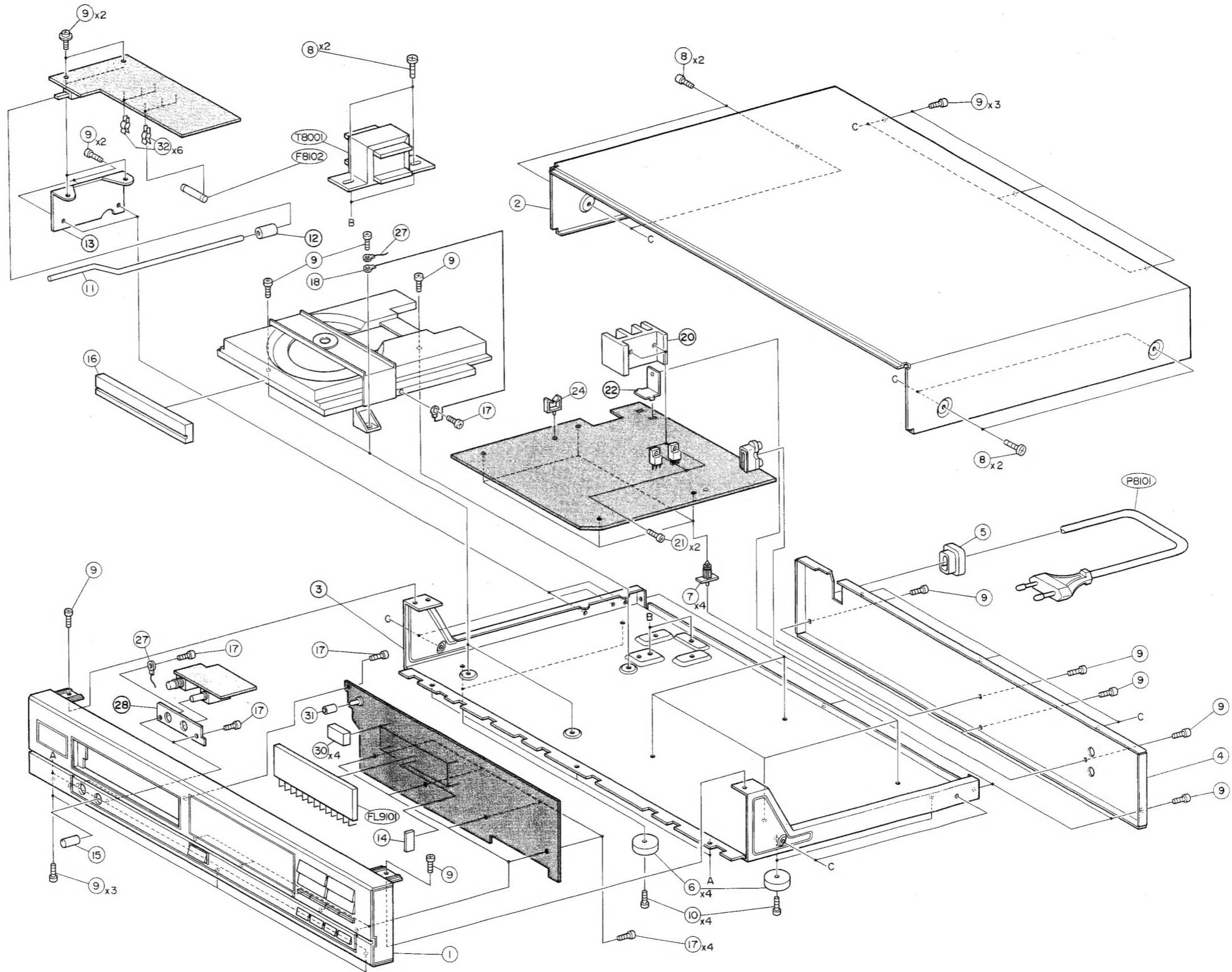
Symbol No.	Part No.	Description	Symbol No.	Part No.	Description	
Power Switch P . C . Board						
Switch						
S8101	40T84122F01	Power SDDLE (POWER)		D9105	48T84758F01	1SS270
Capacitors						
C8101 C8102 C8204 C8207	08T00196L01 08T00196L01 08T90316F22 08T90316F19	POLY., POLY., TF, TF,	0.01 μ F 0.01 μ F 0.027 μ F 0.015 μ F	D9106 D9107 D9108 D9109 D9110 D9111 D9112	48T84758F01 48T84758F01 48T84758F01 48T84758F01 48T84758F01 48T84758F01 48T84758F01	1SS270 1SS270 1SS270 1SS270 1SS270 1SS270 1SS270
LED						
		LD9101	48T66616F02	SLR-54VR3 (RED)		
Resistors						
R1106 R1119 R1123 R1298 R1299	06T92263F34 06T92263F27 06T92263F27 06T15279W97 06T15279W77	240 ohm 120 ohm 120 ohm C.F., 22K ohm C.F., 3.3K ohm	1W 1W 1W 2W 2W	Switches		
Logic P . C . Board						
IC						
IC9101	51T26032W01	SBX1610		S9100 S9101 S9102 S9103 S9104 S9105 S9106 S9107 S9108 S9109 S9110 S9111 S9112	40T83324F11 40T83324F11 40T83324F11 40T83324F11 40T83324F06 40T83324F06 40T83324F06 40T83324F11 40T83324F11 40T83324F11 40T83324F11 40T83324F11 40T83324F11	Tact, SKHHAP (PLAY / PAUSE) Tact, SKHHAP (STOP) Tact, SKHHAP (FF / FS) Tact, SKHHAP (BS / FB) Tact, SKHHAN (RANDOM) Tact, SKHHAN (A-SCAN) Tact, SKHHAN (A-PAUSE) Tact, SKHHAN (REPEAT) Tact, SKHHAP (PROGRAM) Tact, SKHHAP (CLEAR) Tact, SKHHAP (M-CHECK) Tact, SKHHAP (DISPLAY) Tact, SKHHAP (OPEN / CLOSE)
Diodes						
D9100 D9101 D9102 D9103 D9104	48T84758F01 48T84758F01 48T84758F01 48T84758F01 48T84758F01	1SS270 1SS270 1SS270 1SS270 1SS270		Capacitors		
		C9101 C9103	08T90316F17 08T90316F22	TF, TF,	0.01 μ F 0.027 μ F	

Cabinet Assembly Parts List

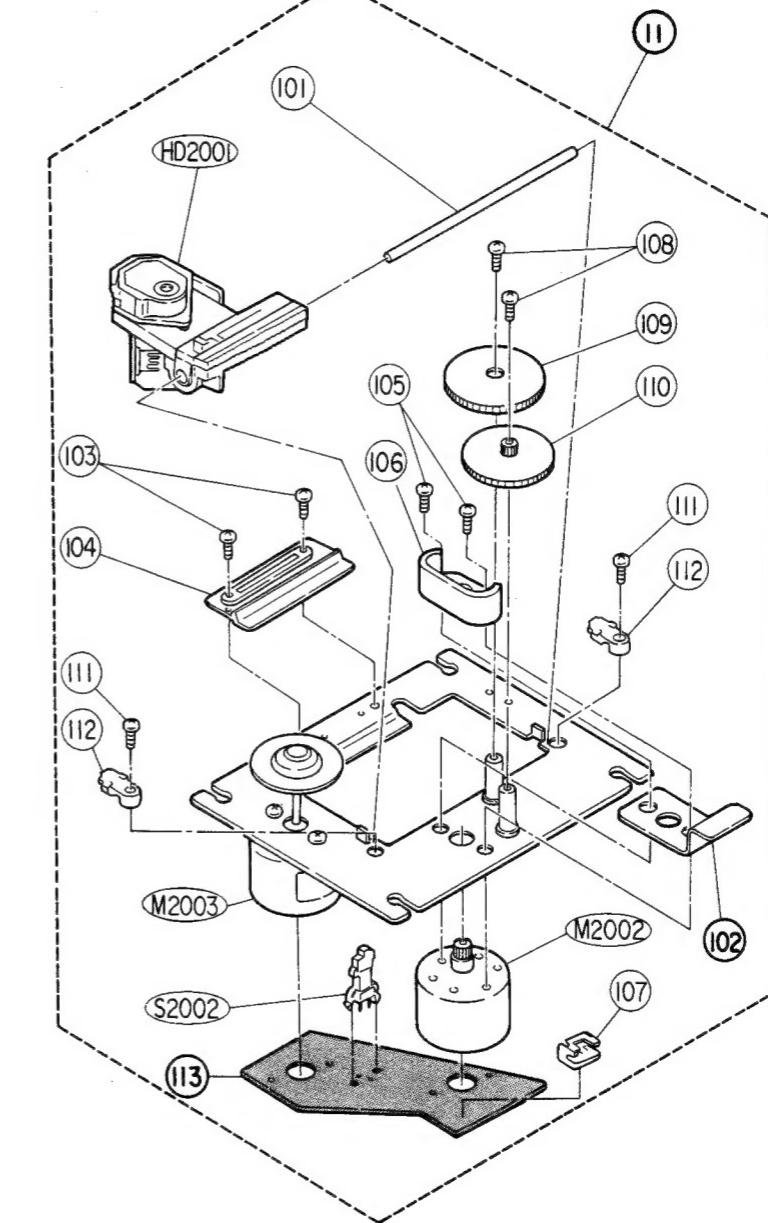
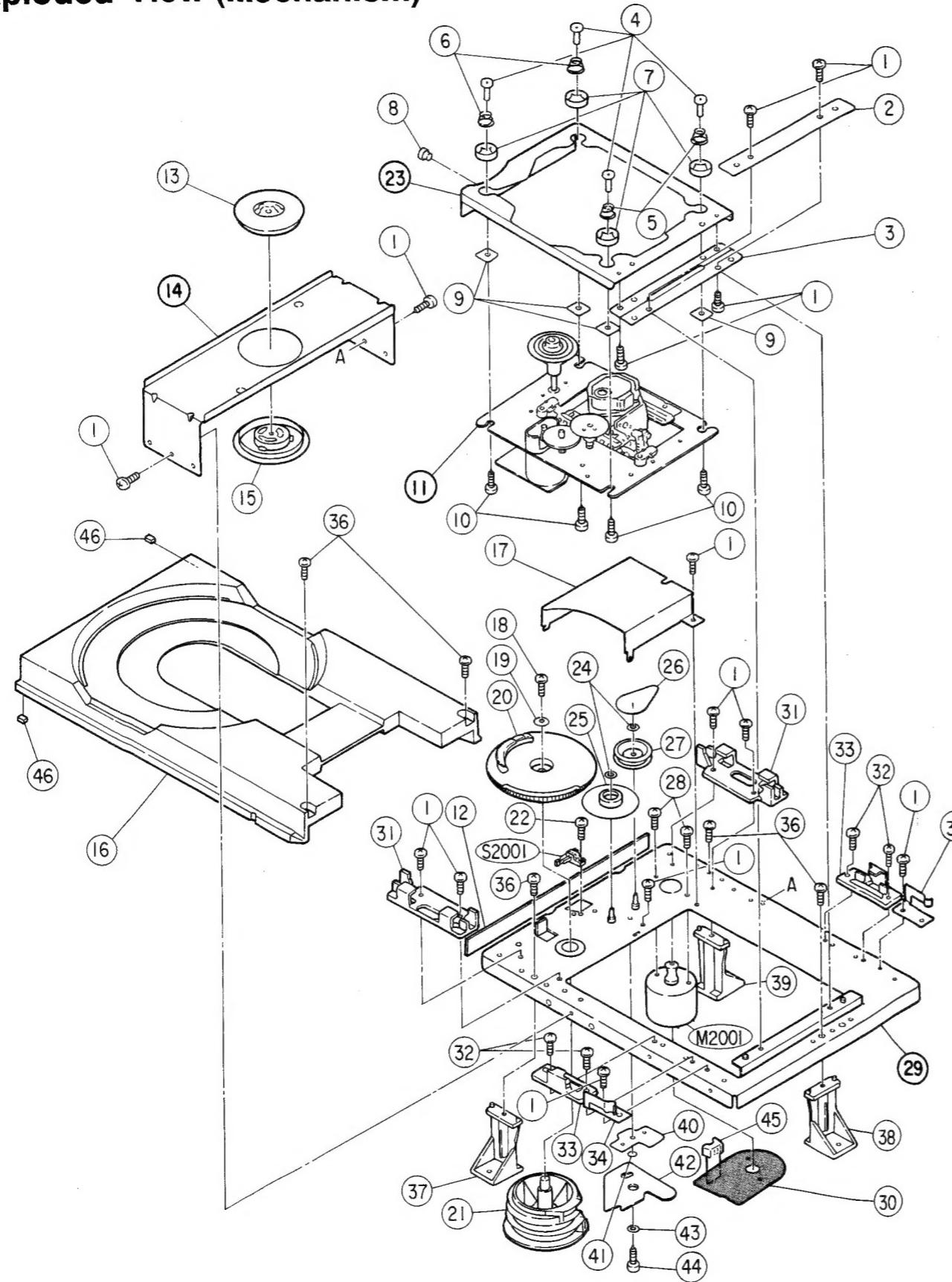
Note : The parts without parts list are not supplied.

Symbol No.	Part No.	Description	Symbol No.	Index	Part No.	Description
Miscellaneous						
F8102	65T42077U09	Fuse 200mA	1		01C31869W01	Assy., Front Panel
FL9101	65T15806W01	FL Display	2		15C12903W01	Cover, Top
HD2001	88E08496S01	Head, Optical Pick Up	4		15C12902W17	Cover, Rear
M2001	88E08448S01	Assy., Loading Motor	5		43T16093W01	Support, Cord
M2002	01E08458S01	Assy., Sled Motor	6		75A96563F03	Pad, Trann-Leg
M2003	01E08459S01	Assy., Spindle Motor	7		07A91046F01	Support, P.C.Board
P8101 or	28T43812P04 28T00001K01	Plug, Cord	8		03S71677F14	Screw, Bind (M4×8)
S2001	40E08481501	Switch, Leaf (OPEN/CLOSE)	9		03S71031F04	Screw, Bind (M3×8)
S2002	40E08482S01	Switch, Leaf (LIMIT)	10		03S71677F25	Screw, Bind (M4×12)
T8101	2516090W01	TRANS., Power	11		47A12896W02	Shaft, Power
			12		43T25269W01	Pushing, Rubber
			14		75S12196W21	Cushion, Rubber
			15		36A55234F04	Knob, Control
			16		64B31873W01	Panel, Tray
			17		03S71031F02	Screw, Bind (M2.6×8)
			18		01T16425W12	Assy., Lug Wire 1P
			21		03S72235F19	Screw, Bind (M3×6)
			24		42T93247F09	Clamp, Wire
			27		01T15318W02	Assy., Lug Wire 1P
			30		07A83876F01	Support, FL
			31		43A61758F01	Spacer, Lamp
			32		09T51410F01	Holder, Fuse

Exploded View (Cabinet)



Exploded View (Mechanism)



Mechanism Assembly Parts List

NOTE : The parts without parts list are not supplied.

Symbol No.	Index	Part No.	Description	Symbol No.	Index	Part No.	Description
1		03E03010S02	Screw, Round (M2.6×6)	107	4-F	09E08477S01	Connector (4P)
2	1-D	07E08437S01	Plate, Hinge Hold	108	2-G	03E08473S01	Screw, Flat (M1.7×3)
3	2-D	07E08445S01	Hinge	109	2-G	44E08488S01	Gear (A)
4	1-C	49E08460S01	Shaft (T)	110	2-G	44E08489S01	Gear (B)
5	1-C	41E08465S01	Spring, Coil (B)	111		03E08474S01	Screw, Flat (M2.6×8)
6	1-C	41E08466S01	Spring, Coil (A)	112		42E08483S01	Clamp, Shaft
7	1-C	14E08467S01	Insulator (C)				
8	1-B	49E08461S01	Roller				
9		15E08468S01	Plate (T)				
10		03E08471S01	Screw, W/Washer (M1.8×8)				
12	4-C	01E08456S01	Tape, Front				
13	1-B	01E08446S01	Assy., Magnet				
15	2-B	49E08462S01	Pulley, Chacking				
16	4-A	01E08447S01	Tray				
17	3-C	15E08469S01	Cover, Gear				
18	3-C	03E08497S01	Screw, Bind (M2.6×10)				
19	3-C	04E08475S01	Washer, Flat (M2.6)				
20	3-C	44E08490S01	Gear, Drive				
21	5-C	45E08492S01	Cam, Control				
22	4-C	03E03010S03	Screw, Round (M2×4)				
24	3-C	04E02927S01	Washer, Lock (M2)				
25	3-C	44E08491S01	Gear, Middle				
26	3-C	42E08484S01	Belt				
27	3-C	49E08463S01	Pulley, Loading				
28	4-C	03E02990S01	Screw, Bind (M2.6×3)				
30	5-D	84E08495S01	Motor P.C.Board				
31		15E08449S01	Holder, Tray (Front)				
32		03E03008S02	Screw, Pan (M2×4)				
33		15E08450S01	Holder, Tray (Rear)				
34	5-C	45E08493S01	Guide, Tray (R)				
35	4-D	45E08493S02	Guide, Tray (L)				
36		03E08497S02	Screw, Bind (M3×10)				
37	5-B	01E08451S01	Boss, MD Bracket (R)				
38	5-D	01E08452S01	Boss, MD Bracket (Rear)				
39	4-D	01E08453S01	Boss, MD Bracket (L)				
40	5-C	15E08470S01	Plate, Link				
41	5-C	01E08454S01	Boss				
42	5-C	01E08455S01	Assy., Stopper Link				
43	5-C	43E08485S01	Spacer				
44	5-C	03E08498S01	Screw, Frange (M2.6×8)				
45	5-D	09E08476S01	Connector (5P)				
46	3-A	43E08486S01	Damper				
101	1-F	49E08464S01	Shaft, Slide				
103	2-E	03E08472S01	Screw, Flat (M2×5)				
104	3-E	15E08457S01	Holder, Slide				
105	2-F	03E02984S02	Screw, Pan (M2×5)				
106	2-F	15E08478S01	Cover, Gear				

Packing Assembly Parts List

Symbol No.	Part No.	Description	Symbol No.	Part No.	Description
101	56S30746W02	Carton, Packing			
102	56D13765W01	Tray, Packing (L)			
103	56D13765W02	Tray, Packing (R)			
104	56B40230G23	Sack, Polyethylene			
105-1	68P21552W44	Owner's, Manual			
105-2	28T70621F03	Plug, Output			
105-3	01T90545F01	Unit, Remote Control			
105-4	60T81756F01	Battery, UM-4UC			